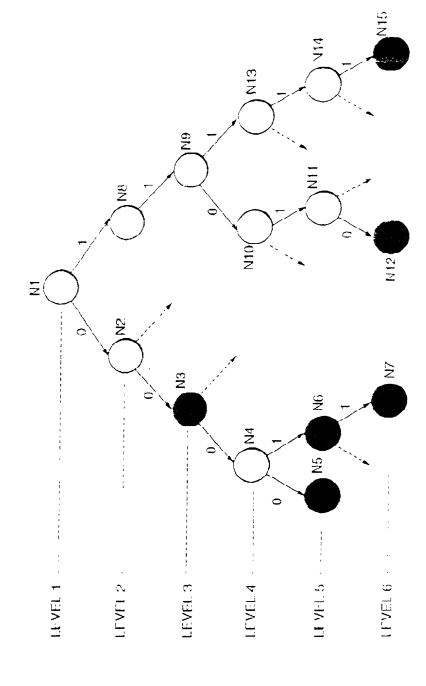
FIG. 1 (PRIOR ART)

DATA TO BE SEARCHED	RELATED INFORMATION
00	А
0000	8
0001	С
00011	D
11010	E
1 1 1 1 1	F

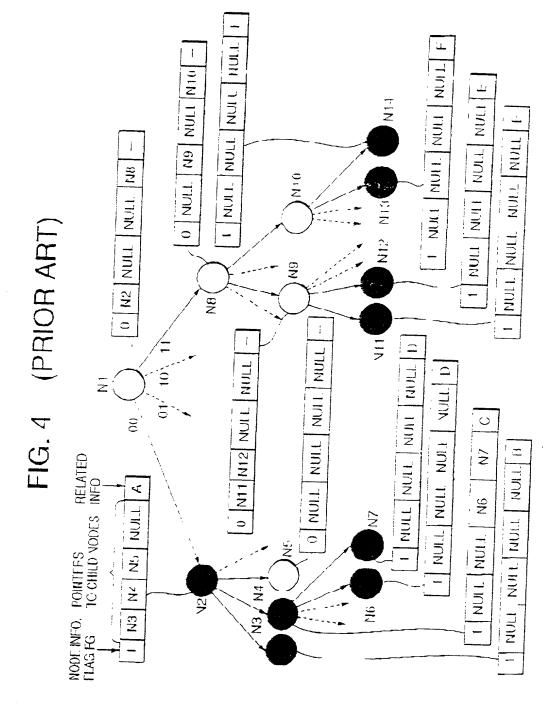
FIG. 2 (PRIOR ART)



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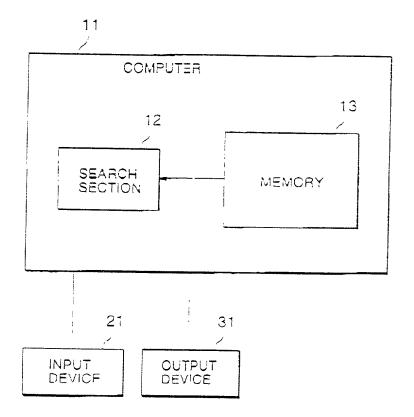
FIG. 3 (PRIOR ART)

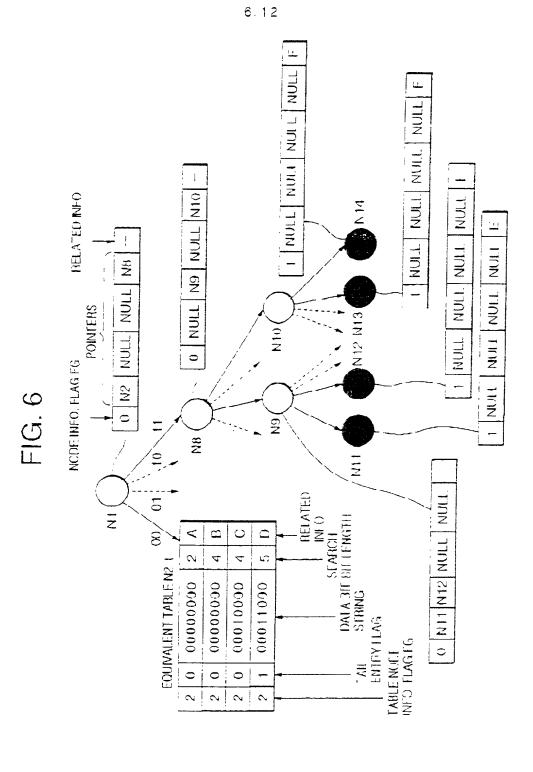
EXPANDED DATA TO BE SEARCHED	RELATED INFORMATION
0 0	А
0000	В
0 0 0 1	С
000110	D
000111	D
110100	Е
110101	Ε
11110	F
11111	F



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FIG. 5





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INPUT INFORMATION OF
BRANCH INDICATED BY
SELECTED POINTER A6 NO FG=2 ? YES Α8 NO SELECTED ENTRY
MATCHES SEARCH DATA ? YES A9 STORE RELATED INFORMATION A10 YES TAIL ENTRY ? A12 A11 NO OUTPUT SEARCH RESULT SELECT NEXT ENTRY 7

END

FIG. 8

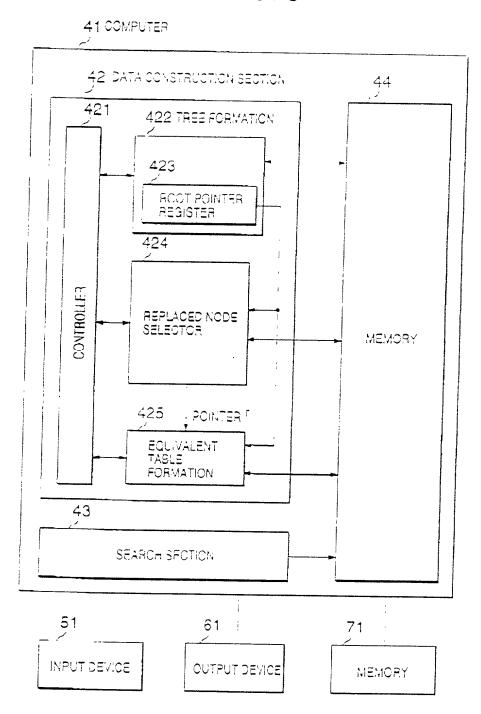


FIG. 9

DATA TO BE SEARCHED	RELATED INFORMATION
0 0	Α
0000	В
0001	С
0010	D
1000	Е
10000	F
1 1 0 1	G
1 1 0 1 0	Н

FIG. 10

